

CLAIMS

1. Snow sliding board (1) such as a ski board, a single ski or a surf board, with a vertical plane of general symmetry (P), comprising a principal portion called body or base (2) which includes at least in the zone of the sole (4) a complementary longitudinal element (3) intended to receive the retention binding or bindings (27a), 27b) of the user's boot, said base (2) having the shape of an elongated beam comprising a sliding sole (6) whose front extremity is raised in order to form a spatula (8), with the complementary longitudinal element (3) having the shape of an elongated plate, limited laterally by a lateral left rim (9a) and a lateral right rim (9b), the complementary element also comprising a front portion (13) connected to a rear portion (14) by means of a middle portion (16), **characterized in that** at least one of the lateral rims (9a, 9b) of the complementary element (3) is laterally supported by at least its middle portion on a lateral shock-absorbing stop (5) made of elastically deformable material.

2. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to Claim 1, **characterized in that** the lateral shock-absorbing stop (5) is fixed on the upper surface (17) of the base (2).

3. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to Claim 1, **characterized in that** the lateral shock-absorbing stop (5) comprises a shock-absorbing element (50) sandwiched between the lateral rim (9a and/or 9b) corresponding to the complementary element (3) and a lateral retention projection (18) which is an integral part of the base.

4. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to Claim 3, **characterized in that** the shock-absorbing element (50) of the lateral shock-absorbing stop (5) is an integral part of the lateral retention projection (18).

5. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to Claim 3, **characterized in that** the shock-absorbing element (50) of the lateral

shock-absorbing stop (5) is fixed at the lateral rim (9a and/or 9b) of the complementary element (5).

6. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to any one of the preceding Claims, **characterized in that** at least one of the lateral rims (9a, 9b) of the complementary element (3) comprises a hollow profile (12) constituting in the middle portion (16) of said complementary element (3) a zone of lesser width (15), said hollow profile (12) being destined to cooperate with the lateral shock-absorbing stop (5) of complementary shape.

7. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to any one of the preceding Claims, **characterized in that** the internal lateral rim (9a) is laterally supported on the lateral shock-absorbing stop (5) which is arranged on the internal side of the ski.

8. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to any one of the preceding Claims, **characterized in that** the front portion (13) of the complementary element (3) is made up of two longitudinal front arms (13a, 13b) extending from the middle portion (16) toward the front, while the rear portion (14) of the complementary element (3) is made up of two longitudinal rear arms (14a, 14b) extending from the middle portion (16) toward to the rear.

9. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to Claim 8, **characterized in that** the front portion (13) comprises a front internal arm (13a) and a front external arm (13b) whereas the rear portion (14) comprises a rear internal arm (14a) and a rear external arm (14b), said front internal arm (13a) and said rear internal arm (14a), being realized, together with the middle portion, from a first material (M1), whereas said front external arm (13a) and said rear external arm are realized from a second material (M2) different from the first material (M1).

10 Snow sliding board (1) such as a ski board, a single ski or a surf board, according to any one of the preceding Claims, **characterized in that** the complementary

element (3) is solidly joined at the base, at its upper surface thanks to means of fixation, such as screws (21a, 21b - 23a, 23b - 25a, 25b).

11. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to any one of the preceding Claims, **characterized in that** the front portion (13) and the rear portion (14) of the complementary element (3) are each fixed by means of fixation to the base, assuring blockage of relative lateral displacement between said element and the base, and freedom from relative longitudinal displacement, while the central portion (16) of the complementary element (3) is fixed at the base by means of fixation assuring blockage in longitudinal translation of the complementary element in relation to the base, and permitting relative transverse displacement of said element in relation to said base.

12. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to Claim 11, **characterized in that** the fixation means are constituted by fixation screws, the front portion (13) of the complementary element being fixed at the base by two fixation screws, one front left screw (21a) and one front right screw (21b), each screw traversing a corresponding oblong hole, respectively extending longitudinally in an oblong left hole (22a) and an oblong right hole (22b), while the rear portion (14) of the complementary element is fixed at the base by two fixation screws, one rear left screw (23a) and one front right screw (23b), each of the screws traversing a corresponding oblong hole, respectively extending longitudinally in a left oblong hole (24a) and a right oblong hole (24b), while the central portion (16) of the complementary element (3) is fixed, for example, by two screws (25a, 25b) each traversing a corresponding oblong hole (26a, 26b) extending transversely.

13. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to Claim 12, **characterized in that** the screws (25a, 25b) solidly joined to the central portion (16) are positioned at the level of the corresponding oblong hole (26a, 26b) in order to permit lateral displacement on both sides of the screws (25a, 25b) of the central portion (16).

14. Snow sliding board (1) such as a ski board, a single ski or a surf board, according to Claim 12, **characterized in that** the screws (25a, 25b) solidly joined with the central portion (16) are in contact with one of the extremities of the oblong holes (26a, 26b) in order to only permit lateral displacement on one side, and, more precisely, on the side of the lateral support (5).